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# CATALOGUE

OF

## AUSTRALIAN LAND SHELLS

BY

JAMES C. COX, M. D., F.R.C.S. EDIN.

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SYDNEY:

PRINTED BY JOHN ALEX. ENGEL.

1864.





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CATALOGUE

OF

THE SPECIMENS

OF THE

AUSTRALIAN LAND SHELLS

IN

THE COLLECTION

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## P R E F A C E .

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THE principal object of this Catalogue is to give a complete list of all the Genera and Species of Australian Land Shells known to be described, together with descriptions of such new Species as have not hitherto been recorded in the principal Australian collections—and to record correct localities.

The letters M.C. after the species denote the specimens in my own cabinet.

I take this opportunity of acknowledging the services of Mr. John MacGillivray who has given me much valuable information as to the habitat of the various species.

JAMES C. COX.

147, Phillip Street,  
SYDNEY.  
New South Wales.



## PREFACE.

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## CATALOGUE

OF

## AUSTRALIAN LAND SHELLS.

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### Genus HELIX.

1. *HELIX COSTULATA. mihi.* M.C.  
*Cox, Mag. and Annals. Nat. Hist. 1864.*

Habitat. Green-oakes, Darling Point, Sydney. *MacGillivray.*

2. *HELIX SPLENDIDULA. Pfr.* M.C.  
*Pfr. Pro. Zool. Soc. 1845. p. 128.*  
*Reeve, Conc. Icon. Sp. 973.*

Habitat. Lizard Island; Blackwood Bay; and Restoration Island. *MacGillivray.*

3. *HELIX LÆSA. Reeve.* M.C.  
*Reeve, Conc. Icon. Sp. 1490.*

Having lately received specimens of a *Helix* from the *Hunter River*, in every point corresponding to the description of this shell, I have no hesitation in claiming it as a true Australian species.



4. *HELIX TUCKERI*. *Pfr.* M.C.  
*Pfr. Symbolæ*, Vol. III. p. 77.  
*Reeve, Conc. Icon*, Sp. 633.  
*H. strangulata*, *Le Guillou*. *H. cyclostomata*, *Homb.*  
*et Jacq. Voy. au Pole Sud. Moll. t. 6. f. 1—4.*  
Habitat. N. E. Australia. *Cuming*. Port Curtis, *Cox*.
5. *HELIX BREVIPILA*. *Pfr.* M.C.  
*Pfr. Pro. Zool. Soc.* 1849. p. 130.  
*Reeve, Conc. Icon.* Sp. 777.  
Habitat. E. Coast New Holland, *Strange*. Lane Cove.  
Hawkesbury River. Cape York. *Cox*.
6. *HELIX SYDNEYENSIS. mihi.* M.C.  
*Cox, Pro. Zool. Soc.* 1864.  
Habitat. Sydney, N. S. W. *Cox*. Cape York; New-  
Zealand &c. *MacGillivray*.  
Supposed to be *Helix cellaria* of *Müller* introduced  
from Europe. *Cox*.
7. *HELIX LIZARDENSIS. Pfr.* M.C.  
*Pfr. Pro. Zool. Soc.* 1862. p. 269.  
Habitat. Lizard Island, N. E. Coast of Australia.  
*MacGillivray*.
8. *HELIX STRANGEI. Pfr.* M.C.  
*Pfr. Pro. Zool. Soc.* 1848. p. 109.  
*Reeve, Conc. Icon*, Sp. 416.  
Habitat. Brisbane Water, *Strange*. Lane Cove. Pen-  
rith. Sydney. Port Denison, Queensland. *Cox*.
9. *HELIX RAPIDA. Pfr.* M.C.  
*Pfr. Pro. Zool. Soc.* 1853.  
*Reeve, Conc. Icon.* Sp. 1038.  
Habitat. N. E. Coast N. Holland, *Cuming*. New-  
Zealand, *Reeve*. Aneiteum and Framanga. *Cox*.



10. *HELIX SERICATULA*. *Pfr.* M.C.  
*Pfr. Pro. Zool. Soc.* 1849. p. 127.  
*Reeve, Conc. Icon.* Sp. 812.

Habitat. Garden, Clark, and Shark Islands, in Port Jackson, &c., Broken Bay. *Cox.*

11. *HELIX FRICATA*. *Gould.* M.C.  
*Gould, Expedition Shells*, 1851. p. 32.  
*Reeve, Conc. Icon.* Sp. 1033.

Habitat. Clarence River. *Cox.*

12. *HELIX YORKENSIS*. *Pfr.* M.C.  
*Pfr. Pro. Zool. Soc.* 1854. p. 145.  
*Reeve, Conc. Icon.* Sp. 1372.

Habitat. Cape York. *Cuming.*

13. *HELIX GAERTNERIANA*. *Pfr.* M.C.  
*Pfr. Pro. Zool. Soc.* 1851. p. 253.  
*Reeve, Conc. Icon.* Sp. 419.

Habitat. Night Island, N. Australia. *MacGillivray.*

I feel convinced that the figures of this species and the one following in *Reeve's Conc. Icon.* should be reversed, fig. 418. representing the shell from *Night Island (Gaertneriana)*, and fig. 419. representing that found at *Port Essington*.

I am the more certain of this, on account of having received during the last month (*February* 1864) from *Mr. McGillivray*, and collected by himself on *Night Island*, a large number of *Helix Gaertneriana*, represented by fig. 418.

14. *HELIX SUBRUGATA*. *Pfr.*  
*Pfr. Pro. Zool. Soc.* 1851. p. 259.

Habitat. Clarence River. *Cuming.*

15. *HELIX JERVISSENSIS*. *Q. & G.* M.C.  
*Q. and G. Voy. d'Astr.* II. t. 10. f. 26—30.  
*Reeve, Conc. Icon.* Sp. 758.

Habitat. Jervis Bay. *Q. and G.* Brisbane Water. *MacGillivray.* Mulgoa. Picton. Lapstone Hill, Windsor. *Cox.*



This shell I believe only to be a local variety of the *Helix Grayi*.—Further, I believe *Helix læsa*, and *Helix Mastersi*, *mihi*, only to be intermediate examples and local varieties of *H. Jervisensis* and *H. Grayi*.

16. *HELIX GRAYI*. *Pfr.* (*Small variety*). M.C.

*Pfr. Symbolæ*, Vol. III. p. 68.

*Pfr. Mon. Hel. Viv.* Vol. I. p. 134.

*Reeve, Conc. Icon Sp.* 755.

Habitat. East coast of Australia. *Voy. Rattlesnake*.

Botany Bay Swamps. *Cox.*

17. *HELIX GRAYI*. *Pfr.* (*Large variety*). M.C.

Habitat. Penrith. Brisbane Water. *MacGillivray*.

18. *HELIX GRAYI*. *Pfr.* (*Variety of intermediate size*). M.C.

Habitat. Newcastle, Hunter River. *Masters*.

19. *HELIX DUPUYANA*. *Pfr.* M.C.

*Pfr. Chemnitz*, 2nd. Edition t. 124. f. 15—16.

*Reeve, Conc. Icon. Sp.* 354.

Habitat. Bellenger River, *MacGillivray*. Ash Island, Hunter River. *Cox.*

20. *HELIX BRIDWILLI*. *Pfr.* M.C.

*Pfr. Pro. Zool. Soc.* 1853.

*Reeve, Conc. Icon. Sp.* 1034.

Habitat. Upper Mary River, Wide Bay, *Rev. R. L. King*.

[Note.] "*Helix Bridwilli* must be *Bidwilli Pfr.*" See *Pro. Zool. Soc.* 1855. p. 114.

21. *HELIX INCEI*. *Pfr.* M.C.

*Pfr. Pro. Zool. Soc.* 1845. p. 126.

*Reeve, Conc. Icon. Sp.* 356.

Habitat. North Australia. *MacGillivray*. Miriam Vale, Port Curtis, and Port Denison. *Cox.*

22. *HELIX INCEI*. *Pfr.* (*Very large variety*). M.C.

Habitat. Upper Mary River. *Rev. R. L. King*.



23. *HELIX INCEI*. *Pfr.* (still larger variety). *Mus. J. Murphy.*

A thinner and lighter shell, and more numerously and finely banded, to which the name of *multifasciata* might be applied.

Habitat. *Marked*, Cape York.

24. *HELIX MACLEAYI*. *mihi.* M.C.  
*Cox. Pro. Zool. Society.* 1864.

Habitat. Port Denison. *Masters.*

25. *HELIX LESSONI*. *Pfr.* M.C.  
*Pfr. Symbolæ.* Vol. III. p. 71.  
*Reeve, Conc. Icon.* Sp. 754.  
*Helix Rangii—Lesson—not of Ferussac.*

Habitat. Miriam Vale, Port Curtis, and Port Denison. *Cox.*

26. *HELIX APPENDICULATA*. *Pfr.* M.C.  
*Pfr. Pro. Zool. Soc.* 1854. p. 149.  
*Reeve, Conc. Icon.* Sp. 1353.

Habitat. Clarence River, *Reeve*, which I think must be a mistake. Port Denison. *Cox.*

27. *HELIX YULEI*. *Forbes.* M.C.  
*Forbes. Voyage Rattlesnake.* Vol. II. p. 377. Pl. II. f. 6.  
*Reeve, Conc. Icon.* Sp. 1447.

Habitat. Port Molle, Queensland. *MacGillivray.*

28. *HELIX YULEI*. *Forbes. (Variety.)* M.C.

Habitat. Entrance Island, Port Denison. *MacGillivray.*

29. *HELIX POMUM*. *Pfr.* M.C.  
*Pfr. Symbolæ.* Vol. II. p. 37.  
*Reeve, Conc. Icon.* Sp. 362.  
*Helix sphæroidea. Le Guillou.*

Habitat. Port Essington. *MacGillivray.* Tasman's Land, North Australia. *Cox.*



30. *HELIX FORSTERIANA*. *Pfr.* M.C.  
*Pfr. Pro. Zool. Soc.* 1851. p. 254.  
*Reeve, Conc. Icon. Sp.* 439.  
 Habitat. Howick Isles. *MacGillivray*.
31. *HELIX FORSTERIANA*. *Pfr. (very small variety)*.  
 Habitat. "Two Isles", near Cape Flattery. *MacGillivray*.
32. *HELIX FORBESI*. *Cox.* M.C.  
*Cox, Pro. Zool. Soc.* 1864.  
 Habitat. Port Denison, on the trunks of the native Fig trees. *Masters*.
33. *HELIX PACHYSTYLA*. *Pfr.* M.C.  
*Pfr. Pro. Zool. Soc.* 1845. p. 71.  
*Reeve, Conc. Icon. Sp.* 364.  
 Habitat. Facing Isle, Port Curtis; Dunk Isle; Cape Upstart; Wide Bay. *MacGillivray*. Miriam Vale, Port Curtis; Port Denison, and Rockhampton. *Cox*.
34. *HELIX FRANKLANDIENSIS*. *Forbes.* M.C.  
*Forbes, Voy. Rattlesnake. Vol. II. p. 372. Pl. II. f. 2.*  
 Habitat. Frankland Isles, and Lizard Id. *MacGillivray*
35. *HELIX ROTABILIS*. *Reeve.* M.C.  
*Reeve, Conc. Icon. Sp.* 361.  
*Helix Mühlfeldtiana. Pfr. not of Ziegler.*  
 Habitat. Upper Richmond River. *Cox*.
36. *HELIX ROTABILIS*. *Reeve. (Large variety)*.  
 Habitat. Clarence River. *Cox*.
37. *HELIX CUNNINGHAMI*. *Gray. Typical form with black lip.* M.C.  
*Gray, Pro. Zool. Soc.* 1834. p. 64.  
*Griffith. An. Kingd. pl. 36. f. 4.*  
*Reeve, Conc. Icon. Sp.* 363.  
 Habitat. Darling Downs. *MacGillivray*. Port Denison and Port Curtis. *Cox*.



38. *HELIX CUNNINGHAMI*. Gray, (*small variety with white lip.*) M.C.

Habitat. Mount Archer, Rockhampton; under stones.  
Cox. (*Capable of being made a new species.*)

39. *HELIX CUNNINGHAMI*. Gray, (*very large variety.*) M.C.

*White lipped.* (*Capable of being made a new species.*)

Habitat. Miriam Vale, Port Curtis. Cox. *In scrubs.*

40. *HELIX RICHMONDIANA*. Pfr. M.C.  
Pfr. M.S.S.

Reeve, *Conc. Icon.* Sp. 365.

Habitat. Richmond and Clarence Rivers. Cox.

41. *HELIX RICHMONDIANA*. Pfr. Mus. J. Murphy.  
*A fine pale straw-coloured variety.*

Habitat. *Marked* Moreton Bay.

42. *HELIX FRASERI*. Gray. M.C.  
Gray, *Pro. Zool. Soc.* 1836. p. 63.

Reeve, *Conc. Icon.* Sp. 360.

Habitat. Clarence River. MacGillivray. Upper Richmond River. Cox.

43. *HELIX BIPARTITA*. Ferussac. M.C.  
Ferussac, *Hist. Moll.* pl. 75. A. f. 1.  
Reeve, *Conc. Icon.* Sp. 359.

Habitat. Cape York, MacGillivray. Percy Island.  
Reeve, *not MacGillivray.*

44. *HELIX SEMICASTANEA*. Pfr. M.C.  
Pfr. *Zeitschrift für Malac.* 1849. p. 77.  
Chemnitz, *Ed.* 2nd. t. 56. f. 3–5.  
Reeve, *Conc. Icon.* Sp. 1348.

Habitat. Lizard Island, N. Australia. MacGillivray.

45. *HELIX JANELLEI*. Le Guillou. M.C.  
Forbes, *Voyage Rattlesnake*, Vol. II. p. 369.



Habitat. Nepean Island, N. Australia. *MacGillivray*.

I believe this species and *H. semicastanea* to be identical.

46. *HELIX FALCONARI*. *Reeve*. M.C.  
*Gray, Pro. Zool. Soc.* 1834. p. 63.  
*Reeve, Conc. Icon.* Sp. 355.

Habitat. Bellenger River. *MacGillivray*. Tweed  
 and Clarence Rivers. *Cox*.

49. *HELIX PRUNUM*. *Ferussac*. *Australian Museum*.  
*Ferussac, Hist. Moll.* pl. 26. f. 7—8.  
*Reeve, Conc. Icon*, Sp. 353.  
*Helix argillacea*. *Gray*.  
*Helix pelodes*. *Pfr*.

Habitat. Port Essington. *MacGillivray*.

50. *HELIX PTYCHOMPHALA*. *Pfr*. *Australian Mus*.  
*Pfr. Pro. Zool. Soc.* 1851. p. 254.  
*Reeve, Conc. Icon*. Sp. 76. This figure must be a  
 mistake as it does not represent the shell. *Cox*.  
 “*Ptychomphala* is allied to *Franklandiensis* and *Stran-*  
*gei*”. *Forbes, Voy. Rattlesnake*. Vol. II. p. 371.

Habitat. Cape Upstart, *MacGillivray*. Port Essington.  
*Reeve*.

51. *HELIX DUNKIENSIS*. *Forbes*. M.C.  
*Forbes, Voy. Rattlesnake*. Vol. II. p. 378.  
*Reeve, Conc. Icon*. Sp. 756.

Habitat. Dunk Island, North Australia, *MacGillivray*.  
 Green Swamp, Ryalstone, N. S. W. *Cox*.

52. *HELIX DUCLOSIANA*. *Ferussac*.  
*Ferussac, Hist. Moll.* pl. 51. A. fig. 6.  
*Reeve, Conc. Icon*. Sp. 761.  
*Helix macrodon*. *Menke*.

Habitat. New Holland. *Cuming*.

53. *HELIX DRINGI*. *Pfr*.



*Pfr. Symbolæ. Vol. III. p. 73.*

*Reeve, Conc. Icon. Sp. 769.*

Habitat. Torres Straits. *Dring.*

54. *HELIX IULOIDEA. Forbes.*

*Forbes, Voy. Rattlesnake. Vol. II. p. 379. Pl. 2. f. 4.*

Habitat. Port Molle. *MacGillivray.*

55. *HELIX IMPEXA. Reeve.*

M.C.

*Reeve, Conc. Icon. Sp. 795.*

Habitat. Elizabeth Bay, Sydney. *Cox.*

On comparing the original descriptions of *H. inconspicua* of *Forbes* and *impexa* of *Reeve* it is evident that two different shells are referred to, and although the name *inconspicua* was previously occupied, it remains a distinct species, consequently I would suggest its being named *H. Crotali*. See species 100.

56. *HELIX LIGHTFOOTI. Pfr.*

*Pfr. Pro. Zool. Soc. 1851. p. 150.*

*Reeve. Conc. Icon. Sp. 779.*

Habitat. Brisbane River. *Strange.*

57. *HELIX AUSTRALIS. Menke.*

*Menke, Moll. Nov. Holl. p. 6.*

*Reeve, Conc. Icon. Sp. 803.*

Habitat. Swan River. *Menke.*

58. *HELIX FUCATA. Pfr.*

M.C.

*Pfr. Pro. Zool. Soc. 1853. p. 59.*

*Reeve, Conc. Icon. Sp. 1029.*

Habitat. Wide Bay, *Strange.* Maryborough, Queensland. *King.*

59. *HELIX PLECTILIS. Benson.*

*Benson, Ann. and Mag. Nat. Hist. 1853. Vol. XI. p. 29.*

*Reeve, Conc. Icon. Sp. 1162.*

Habitat. Shark's Bay, Western Australia. *Benson.*

60. *HELIX CYGNEA*. *Benson*.

*Benson, Ann. and Mag. Nat. Hist.* 1853. Vol. XI.  
p. 30.

*Reeve, Conc. Icon.* Sp. 1182.

Habitat. Perth, Western Australia. *Bacon*.

61. *HELIX SUBTESTA*. *Benson*.

*Benson, Ann. and Mag. Nat. Hist.* 1853. Vol. XI.  
p. 30.

*Reeve, Conc. Icon.* Sp. 1177.

Habitat. Freemantle, Western Australia. *Reeve*.

"On examination proves to be operculated" and to belong to the GENUS *CYCLOSTOMA*. *Reeve, Conc. Icon.*

62. *HELIX AMMONITOIDES*. *Reeve*.

*Reeve, Conc. Icon.* Sp. 1246.

*Helix omicron*. *Pfr*.

Habitat. Australia. *Reeve*.

63. *HELIX BULLACEA*. *Pfr*.

*Pfr. Pro. Zool. Soc.* 1854. p. 53.

*Reeve, Conc. Icon.* Sp. 1288.

Habitat. Moreton Bay. *Strange*.

64. *HELIX INDICA*. *Pfr*.

*Pfr. Symbolæ.* Vol. III. p. 66.

*Reeve, Conc. Icon.* Sp. 1290.

Habitat. Moreton Bay. *Strange*.

65. *HELIX MANSUETA*. *Pfr*.

*Pfr. Pro. Zool. Soc.* 1854. p. 57.

*Reeve, Conc. Icon.* Sp. 1304.

Habitat. Moreton Bay. *Strange*.

66. *HELIX MORETONENSIS*. *Pfr*.

*Pfr. Pro. Zool. Soc.* 1854. p. 52.

*Reeve, Conc. Icon.* Sp. 1313.

Habitat. Moreton Bay. *Strange*.



67. *HELIX TESCORUM.* Benson.

Benson, *Ann. and Mag. Nat. Hist.* Vol. xi. p. 30.

Reeve, *Conc. Icon.* Sp. 1154.

Habitat. Shark's Bay, Western Australia. Benson.

68. *HELIX OPHELIA.* Pfr.

Pfr. *Pro. Zool. Soc.* 1854. p. 146.

Reeve, *Conc. Icon.* Sp. 1345.

Habitat. Australia? Cuming.

69. *HELIX FUNICULATA.* Pfr.

Pfr. *Pro. Zool. Soc.* 1854. p. 147.

Reeve, *Conc. Icon.* Sp. 1363.

Habitat. Island in Torres Straits. Cuming.

70. *HELIX VILLARIS.* Pfr.

M.C.

Pfr. *Pro. Zool. Soc.* 1854. p. 146.

Reeve, *Conc. Icon.* Sp. 1375.

Habitat. Rocky Isles near Cape Flattery, MacGillivray. Sent by Cuming as *H. rustica*.

71. *HELIX POIRETIANA.* Pfr.

Pfr. *Pro. Zool. Soc.* 1851. p. 254.

Reeve, *Conc. Icon.* Sp. 418. See note to *H. Gaertneriana*.

Habitat. Port Essington. Cuming.

72. *HELIX LEPTOGRAMMA.* Pfr.

M.C.

Pfr. *Pro. Zool. Soc.* 1845. p. 127.

Reeve, *Conc. Icon.* Sp. 437.

Habitat. South Australia. Cuming. Point Lowly. Coar.

73. *HELIX JACKSONIENSIS.* Gray.

Gray, *Pro. Zool. Soc.* 1834. p. 65.

Reeve, *Conc. Icon.* Sp. 1462. (*fig. not characteristic*).

Habitat. Port Jackson. Mus. Brit.

74. *HELIX MACGILLIVRAYI.* Forbes.

M.C.

Forbes, *Voy. Rattlesnake.* Vol. ii. p. 377. pl. 3. f. 1.

Reeve, *Conc. Icon.* Sp. 357.

Habitat. Frankland Isles, N. Australia. MacGillivray.

75. *HELIX CUMULUS.* *Pfr.**Pfr. Pro. Zool. Soc.* 1854. p. 145.*Reeve, Conc. Icon.* Sp. 1368.Habitat. Banks of Manning River. *Cuming.*76. *HELIX PALEATA.* *Reeve.**Reeve, Conc. Icon,* Sp. 1399.Habitat. Swan River. *Bacon.*77. *HELIX MONACHIA.* *Pfr.**Pfr. Pro. Zool. Soc.* 1859. p. 25.Habitat. Australia. *Cuming.*78. *HELIX DUCTILIS.* *Pfr.**Pfr. Pro. Zool. Soc.* 1856. p. 385.Habitat. Drayton Range, N. Australia. *Stutchbury.*79. *HELIX STUTCHBURYI.* *Pfr.**Pfr. Pro. Zool. Soc.* 1856. p. 386.Habitat. Drayton Range, N. Australia. *Stutchbury.*80. *HELIX DELTA.* *Pfr.**Pfr. Pro. Zool. Soc.* 1856. p. 386.Habitat. Drayton Range, N. Australia. *Stutchbury.*81. *HELIX PLICULOSA.* *Pfr.**Pfr. Pro. Zool. Soc.* 1856. p. 386.Habitat. Drayton Range, N. Australia. *Stutchbury.*82. *HELIX ADELAIDEÆ.* *Pfr.**Pfr. Pro. Zool. Soc.* 1856. p. 387.Habitat. Adelaide, S. Australia. *Cuming.*83. *HELIX CONFUSA.* *Pfr.**Pfr. Pro. Zool. Soc.* 1855. p. 112.Habitat. Cape Upstart. *Cuming.*84. *HELIX BANNERI.* *MacGillivray.**Pfr. Pro. Zool. Soc.* 1862. p. 270.Habitat. Cape Direction, N. E. Australia. *MacGillivray.*



85. *HELIX IRRADIATA.* Gould.

*Forbes, Voy. Rattlesnake.* Vol. II. p. 368.

Habitat. New South Wales.

86. *HELIX GEORGIANA.* Q. and G.

*Quoy et Gaimard, Voy. de l'Astrolabe et Zelée Moll.*  
Pl. II. f. 26—30.

Habitat. King George's Sound.

87. *HELIX NOVÆ HOLLANDIÆ.* Gray.

*Gray, Pro. Zool. Soc.* 1834. p. 67.

Habitat. 200 miles from Port Macquarie. *Cunningham.*

88. *HELIX SUBGRANOSA.* Le Guillou.

*Forbes, Voy. Rattlesnake.* Vol. II. p. 368.

Habitat. North Australia.

89. *HELIX CAPILLACEA.* Ferussac.

*Ferussac, Hist.* t. 82. f. 5.

*Forbes, Voy. Rattlesnake.* Vol. II. p. 368.

Habitat. Port Jackson. *Ferussac.*

I believe this to be *H. brevipila.*

90. *HELIX WALKERI.* Gray.

*Gray, Pro. Zool. Soc.* 1834. p. 63.

Habitat. 70 miles from Port Macquarie. *Cunningham.*

91. *HELIX GILBERTI.* Pfr.

*Forbes, Voy. Rattlesnake.* Vol. II. p. 368.

Habitat. Darling Downs. *Gilbert.* Brisbane Water.  
*MacGillivray.*

92. *HELIX ZICZAG.* Gould.

*Forbes, Voy. Rattlesnake.* Vol. II. p. 368.

Habitat. New South Wales.

93. *HELIX VITRACEA.* Ferussac.

*Ferussac, Hist.* t. 64. f. 5.

*Forbes, Voy. Rattlesnake.* Vol. II. p. 369.

Habitat. New Holland? *Beck.*

94. *HELIX TORTULUS.* *Ferussac.**Ferussac Hist.* t. 27. f. 3—4.*Forbes, Voy. Rattlesnake.* Vol. II. p. 369.Habitat. Port Essington, and N. W. coast of Australia. *Brit. Mus.*95. *HELIX PEDESTRIS.* *Gould.**Forbes, Voy. Rattlesnake.* Vol. II. p. 370.

Habitat. New South Wales.

96. *HELIX DELESSERTIANA.* *Le Guillou.**Helix Torresi. Homb. et Jacq. Voy. au Pole Sud. Moll.* t. 4. f. 24—27.Habitat. Warrior Island, Torres Straits. *Le Guillou.*  
“Nogo Island,” Endeavour Straits. *MacGillivray.*97. *HELIX GULOSA.* *Gould.**Forbes, Voy. Rattlesnake.* Vol. II. p. 370.

Habitat. New South Wales.

98. *HELIX TARANAKI.* *Gray.**Chemnitz, Ed. 2nd.* t. 75. f. 4—5.*Forbes, Voy. Rattlesnake.* Vol. II. p. 371.

Habitat. Possession Island, Torres Straits.

99. *HELIX SIMILARIS.* *Ferussac.**Ferussac Hist.* t. 25. B. f. 1—4.*Forbes, Voy. Rattlesnake.* Vol. II. p. 370.Habitat. Frankland Isles, N. Australia. *MacGillivray.*100. *HELIX COTALI.* *miki.*

M.C.

*Forbes, Voy. Rattlesnake.* Vol. II. p. 379. pl. 2. f. 3.  
as *H. inconspicua.* Sent by Cuming as *H. Yorkensis.*Habitat. Islet in Trinity Bay; Howick Isle No. I.  
*MacGillivray.* See Note to No. 55.101. *HELIX MUCIDA.* *Pfr.**Pfr. Pro. Zool. Soc.* 1856. p. 328.Habitat. Percy Isles, N. E. Australia. *Chinmo.*



102. *HELIX NITIDA*. Müller. M.C.*Müller, Hist. Nat. Verm. Vol. II. p. 32.**Reeve, Conc. Icon. Sp. 1042.*Habitat. Darling Point. *MacGillivray.*

This widely diffused European species possibly has been introduced although now found in various localities in the above neighbourhood.

103. *HELIX BLUMFIELDI*. *mihi*. M.C.

Hel. testâ subglobosâ, apice obtusâ; anfractibus septem, rotundatis; concentrice minute striatâ; aperturâ ovato-elongatâ; suturâ impressâ et albâ; ustulato-rufâ, apice flavicante et spiraliter lineata; labro crassissimo, reflexo, columellâ labroque violaceis.

*Diam. maj. 1.064. min. 1.040. alt. 1.048. unc.*Habitat. Miriam Vale, Port Curtis. *Cox.*104. *HELIX MITCHELLÆ*. *mihi*. Mus. Mrs. James Mitchell.

Hel. testâ imperforatâ, subgloboso-turbinatâ, obliquè concentrice striatâ, sub lente minutè granulatâ; intense castaneâ, duabus lineis nigris, et duabus luteis fasciatâ; spirâ elevatâ; anfractibus septem convexiusculis, ultimo angulato; aperturâ obliquâ, transversim-ovali, labro reflexo, intus intensè lilaceâ, marginibus callo junctis.

*Diam. maj. 1.056. min. 1.050. alt. 1.015. unc.*Habitat. Clarence River. *Mitchell.*105. *HELIX MASTERSI*. *mihi*. M.C.

Hel. testâ angustè umbilicatâ, depresso-conoideâ; radiatim rugoso-striatâ, undique minutè granulatâ, subpellucidâ; saturatè castaneâ; spirâ depressâ; anfractibus sex, vix convexiusculis, ultimo angulato; columella levi et dilatata, umbilicum semitegente; aperturâ lunato-subcirculari, marginibus conniventibus, labro tenui vix dilatato, intus livido.

*Diam. maj. 1.19. min. 0.98. alt. 0.65. unc.*Habitat. Merimbula, New South Wales. *Masters.*

106. *HELIX STROUDENSIS. mihi. Mus. Rev. R. L. King.*  
 Hel. testâ subamplitèr umbilicatâ; discoideâ; fuscescente, tenue costellato-striata, convexa, suturâ impressâ; anfractibus quinque; spirâ truncatâ; peristomate simplici, acuto; aperturâ lunato-ovatâ.  
*Diam. maj. 0.12. alt. 0.05. unc.*

Habitat. Stroud, Port Stephens. *King.*

107. *HELIX MARMORATA. mihi. M.C.*  
 Hel. testâ umbilicatâ, depresso-convexâ, levigatâ obsolete interne striata, nitidissimâ, rufo-corneâ, basi subcompressa; anfractibus sex; spira late conoidea; apertura lunari; peristomate recto simplici, margine columellari basi parum reflexo, vix umbilicum minutum subobtegente.  
*Diam. maj. 0.40. min. 0.34. alt. 0.22. unc.*

Habitat. Kiama, *Masters.* Fernhill, Penrith. Port Curtis. Broken Bay. *Cox.*

108. *HELIX STRANGEOIDES. mihi. Mus. Rev. R. L. King.*  
 Hel. testâ late et profunde umbilicatâ, depressâ; flavo-cornea, supernè confertim tenuissime striatâ, lineis minutissimis decussata; infernè levigatâ; lineis obsoletis interne striatis; anfractibus quinque, ultimo declivi rotunde-convexo, ceteris planiusculis; aperturâ subobliquâ, lunari-rotundo; peristomate tenui, simplici.  
*Diam. maj. 0.38. min. 0.32 alt. 0.16. unc.*

Habitat. Moreton Bay. *King.*

109. *HELIX PARRAMATTENSIS. mihi. M.C.*  
 Hel. testâ imperforatâ, depresso-globosâ, conicâ, levissimâ, tenui, nitente, flavicante, suturâ impressâ; anfractibus sex, ultimo convexa, ceteris subequantibus, spirâ obtusâ; aperturâ ovato-lunari; peristomate simplici rectoque.  
*Diam. maj. 0.12. min. 0.10. alt. 0.09. unc.*

Habitat. Parramatta. *King.*



110. *HELIX LYNDBURSTENSIS. mihi. Mus. Rev. R. L. King.*

Hel. testâ ampliter apertè umbilicatâ; pellucidâ, rotundato-depressâ, obsoletè striata, glabrâ, nitidâ; spira obtuso-convexa, fuscescente; anfractibus quatuor aut quinque, ultimo dilatato; aperturâ lunato-circulari; peristomate simplici, acuto.

*Diam. maj. 0.16. alt. 0.06. unc.*

Habitat. Lyndhurst, Sydney. *King.*

111. *HELIX MICROSCOPICA. mihi. Mus. Rev. R. L. King.*

Hel. testâ umbilicatâ, conoideâ; rubido-corneâ, pellucidâ, nitente; anfractibus quinque, gradatim incrementibus; spirâ obtusâ, suturâ impressâ; costis crebris transversalibus elevatis, interstitiis minutissime punctato-striatis; aperturâ rotundato-lunari, peristomate simplici.

*Diam. maj. 0.04. alt. 0.02. unc.*

Habitat. Stroud. *King.*

112. *HELIX CONOIDEA. mihi. Mus. Rev. R. L. King.*

Hel. testâ umbilicatâ, conoideâ, sordide lutescente, ad apicem griseo-plumbeâ, parum nitente, irregulariter sulcatâ et costatâ; anfractibus septem, plano-convexiusculis, ultimo carinato; spira optusa; aperturâ lunari-ovatâ, tenui.

*Diam. maj. 0.37. min. 0.35. alt. 0.30. unc.*

Habitat. Cabbage Tree Island, Port Stephens. *King.*

113. *HELIX PARADOXA. mihi. M.C.*

Hel. testâ subampliter umbilicatâ, depresso-conicâ, fuscescente, vix nitidiusculâ, undique costellato-striatâ; anfractibus quatuor, ultimo convexo, secundo convexiusculo; suturâ impressâ; spirâ obtusissimâ; aperturâ rotundato-ovatâ; peristomate simplici.

*Diam. maj. 0.07. alt. 0.04. unc.*

Habitat. Stroud Road; Campbelltown. *King.*

114. *HELIX KREFFTI. mihi. M.C.*

Hel. testâ angustè umbilicatâ, convexo-depressâ, nitidâ, subpellucidâ, striatulâ, corneâ, subtus opacâ;

anfractibus sex, convexis; apertura rotundato-lunari, margine columellari dilatato, umbilicum semitegente.

*Diam. maj.* 0.57. *min.* 0.49. *alt.* 0.31. *unc.*

Habitat. Cape York. *MacGillivray*.

Only one specimen found.

115. *HELIX BELLI.* *mihi.* M.C.

Hel. testâ late et perspective umbilicatâ; discoideâ depressâ et subconcevâ; regulariter costellato-striatâ; rufo-castaneâ nitidiusculâ; anfractibus quinque convexiusculis, ultimo tumido rotundato; spira submersâ, suturâ profunde impressâ; aperturâ lunari; peristomate simplici, recto.

*Diam. maj.* 0.07. *min.* 0.06. *alt.* 0.02. *unc.*

Habitat. Green-oakes, Darling Point, Sydney. *Bell*.

116. *HELIX MORTI.* *mihi.* M.C.

Hel. testâ late et profunde umbilicatâ; depresso-convexâ; costato-rugosâ sub lente interstitiis minutissime et decussatim striato-punctulatis; solidiusculâ; anfractibus quinque, convexiusculis, ultimo rotundato, suturâ impressâ; apertura fere rotundatâ, peristomate simplici acuto, margine collumellari paulo reflexo.

*Diam. maj.* 0.08. *min.* 0.07. *alt.* 0.04. *unc.*

Habitat. Green-oakes, Darling Point, Sydney. *MacGillivray*.

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GENUS BULIMUS.

1. *BULIMUS MACONELLI.* *Brown.* M.C.

*Reeve, Pro. Zool. Soc.* 1851. p. 198. Pl. XII. fig. 1. 2.

Habitat. Brisbane, Queensland. *Coar.*

2. *BULIMUS ATOMATUS.* *Gray.* M.C.

*Gray, Pro. Zool. Soc.* 1834. p. 64.

*Reeve, Conc. Icon. Sp.* 184.



Habitat. Port Macquarie. Ash Island, Hunter River.  
*Cox.* Cabbage Tree Island, Port Stephens. *King.*

3. *BULIMUS INFLATUS.* *Lamarck.* (not of Brod. or Spix.)  
*Lamarck Anim. Sans Vert. (Deshayes' edit.)* Vol. VIII.  
 p. 230.  
*Reeve, Conc. Icon. Sp. 512.*

Habitat. New Holland. *Lamarck.*

4. *BULIMUS TRILINEATUS.* *Q. and G.*  
*Quoy and Gaimard Voy. de l'Astrolabe.* Vol. II. p. 107,  
 Pl. 9. fig. 1—3.  
*Reeve, Conc. Icon. Sp. 310.*

Habitat. Bald Head, King George's Sound. *Quoy*  
*and Gaimard.*

5. *BULIMUS TRILINEATUS.* *Quoy.*  
*Quoy. Voy. de l'Astrol.* Vol. II. p. 107. Pl. 9. fig. 1—3.  
*Reeve, Conc. Icon. Sp. 397.*  
*Helix trilineata. Quoy.*

Habitat. Port George. *Quoy.*

- As the name *trilineatus* is also applied to the last species, I would suggest that this be changed to *Quoyi*; but, are they not the same species, and both, as *Pfeiffer* suggests, only varieties of *B. Kingii* of *Gray*?

6. *BULIMUS KINGII.* *Gray.* M.C.  
*Gray, Annals of Philosophy, New Series.* Vol. IX. p. 414.  
*Wood, Ind. Test. Supp.* Pl. VII. f. 27.  
*Reeve, Conc. Icon. Sp. 336.*

Habitat. New Holland. *King.* Bald Head, King  
 George's Sound. *Cox.*

7. *BULIMUS RHODOSTOMA.* *Gray.*  
*Gray, Pro. Zool. Soc.* 1834. p. 66.  
*Reeve, Conc. Icon. Sp. 323.*

Habitat. New Holland? *Gray.*

8. *BULIMUS MELO.* *Q. and G.* M.C.  
*Quoy and Gaimard, Voy. de l'Astrol. Zool. Vol. II.*  
*Pl. 9. f. 8-9.*  
*Reeve, Conc. Icon. Sp. 243.*

Habitat. New Holland. *Cuming.* King George's  
 Sound. *Cox.*

9. *BULIMUS INDUTUS.* *Menke.*  
*Voy. Rattlesnake. Vol. II. p. 371.*

Habitat. Darling Range, and Mount Eliza, Swan  
 River. *Priess.*

10. *BULIMUS BULLA.* *Menke.*  
*Voy. Rattlesnake. Vol. II. p. 373.*

Habitat. Darling Range, Western Australia. *Priess.*

11. *BULIMUS DUX.* *Pfr.* M.C.  
*Pro. Zool. Soc. 1861. p. 24.*

Habitat. King George's Sound. *Cox.*

12. *BULIMUS TUCKERI.* *Pfr.* M.C.  
*Pfr. Pro. Zool. Soc. 1846. p. 30.*  
*Reeve, Conc. Icon, Sp. 481.*

Habitat. Queensland, and Islands on N. E. coast of  
 Australia. *MacGillivray.*

13. *BULIMUS WALLI. mihi.* M.C.  
*B. testâ acuminato-elongatâ, gracili, minutè umbi-*  
*licatâ; anfractibus octo, minutè transversim striatis;*  
*intense brunneâ; aperturâ parvâ, columellâ parum*  
*reflexâ, labro simplici.*

Habitat. Kalka, Rockhampton. *W. S. Wall, junr.*

*Diam. 0.12. alt. 0.44. unc.*

The same type of shell as *B. Tuckeri.*

14. *BULIMUS ONSLOWI. mihi.* *Australian Museum.*  
*Bul. testâ subobtectè perforatâ, ovatâ, solidiusculâ,*  
*striatâ; albescente vel pallide cornea fasciis crebris*  
*transversalibus rufescentibus; spirâ conicâ, obtusâ;*  
*suturâ profundâ; anfractibus quatuor parum con-*



vexis, striis plurimis semiregularibus spiralibus transversisque sculptis, ultimo ventroso, spiram duplo dimidioque superante: aperturâ subverticali, angulato-ovali, intus pallidè plumbeâ; peristomate simplici, tenui, margine columellari albido, reflexo, basi adnato.

*Long.* 0.85. *diam.* 0.60. *unc.*

*Habitat.* Dirk Hartog's Island, Shark Bay, Western Australia. *Onslow.*

15. *BULIMUS JACKSONENSIS. mihi.* M.C.

B. testâ ovato-conicâ, imperforatâ vel obsoletè rimatâ, rufescentè-corneâ, nitidâ; anfractibus quinque vix convexiusculis, ultimo duplo ceteros æquante; spirâ obtusâ; suturâ impressâ; aperturâ verticali, truncato-ovatâ, peristomate simplici, tenui, margine columellari revoluta, pariete aperturali lamellâ tenui conspicuâ potius-quam plicâ induto.

*Long.* 0.14. *diam.* 0.05. *unc.*

*Habitat.* Darling Point, Port Jackson. *King &c.*

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GENUS VITRINA.

1. *VITRINA LEUCOSPIRA. Pfr.*

*Pfr. Pro. Zool. Soc.* 1854. p. 326.

*Reeve, Conc. Icon. Sp.* 42.

*Habitat.* Australia. *Cuming.*

2. *VITRINA SPIRULOIDES. Carpenter.*

*Carpenter, Pro. Zool. Soc.* 1855. p. 169.

*Habitat.* Australia. *Cuming.*

3. *VITRINA HYALINA. Pfr.*

*Pfr. Pro. Zool. Soc.* 1854. p. 296.

*Reeve, Conc. Icon. Sp.* 68.

*Habitat.* Moreton Bay. *Strange.*

4. *VITRINA VIRENS.* *Pfr.*  
*Pfr. Pro. Zool. Soc.* 1848. p. 108.  
*Reeve, Conc. Icon.* Sp. 14.  
Habitat. Moreton Bay. *Cuming.*
5. *VITRINA VERREAUXI.* *Pfr.*  
*Pfr. Pro. Zool. Soc.* 1849. p. 132.  
*Reeve, Conc. Icon.* Sp. 21.  
Habitat. Australia. *Verreaux.*
6. *VITRINA CASTANEA.* *Pfr.*  
*Pfr. Pro. Zool. Soc.* 1852. p. 56.  
*Reeve, Conc. Icon.* Sp. 37.  
Habitat. Australia. *Verreaux.*
7. *VITRINA FREYCINETI.* *Ferussac.* M.C.  
*Ferussac, Hist. Moll.* Pl. 9A. fig. 3—4. & Pl. 9B. fig. 2.  
*Reeve, Conc. Icon.* Sp. 40.  
*Helicolimax Australasica.* *De Blainville.*  
Habitat. Sydney. *Ferussac.* Mulgoa, Penrith. *Cox.*
8. *VITRINA STRANGEL.* *Pfr.* M.C.  
*Pfr. Pro. Zool. Soc.* 1849. p. 132.  
*Reeve, Conc. Icon.* Sp. 48.  
Habitat. Brisbane. *Strange.*
9. *VITRINA INFLATA.* *Reeve.*  
*Reeve, Conc. Icon.* Sp. 64.  
Habitat. Sydney. *Cuming.*
10. *VITRINA AUSTRALIS.* *Pfr. M. S.*  
*Reeve, Conc. Icon.* Sp. 70.  
Habitat. Eastern Australia. *Cuming.*
11. *VITRINA ROBUSTA.* *Gould.*  
*Forbes, Voy. Rattlesnake.* Vol. II. p. 374.  
Habitat. East Coast of Australia. *Gould.*
12. *VITRINA NIGRA.* *Q. and G.*  
*Quoy and Gaimard, Voy. de l'Astrolabe.* Vol. II. Pl.  
11. fig. 8—9.  
Habitat. Port Western and King George's Sound.



GENUS SUCCINEA.

1. SUCCINEA AUSTRALIS. *Ferussac*.  
*Ferussac, Hist. Moll. Pl. II. fig. 11.*  
*Forbes, Voy. Rattlesnake. Vol. II. p. 374.*  
Habitat. Mount Eliza, Swan River. *Priess*.
2. SUCCINEA SCALARINA. *Pfr*.  
*Pfr. Pro. Zool. Soc. 1861. p. 28.*  
Habitat. King George's Sound. *Cuming*.
3. SUCCINEA EUCALYPTI. *mihi*. M.C.  
*Cox, Pro. Zool. Soc. 1864.*  
Habitat. County of Cumberland, New South Wales.  
*Cox*.
4. SUCCINEA NORTONI. *mihi*. M.C.  
*S. testâ ovatâ, tenui, ventricosissimâ, pellucido-corneâ, apice rufescente; anfractibus quatuor, longitudinaliter rudè et irregulariter elevato-striatis, ultimo perampliter inflato; labro simplici, aperturâ ovatâ, columellâ peristomateque continuatis.*  
*Long. 0.47. diam. 0.36. unc.*  
Habitat. Norton's Basin, Nepean River, N. S. W.  
*Cox*.
5. SUCCINEA MACGILLIVRAYI. *mihi*. M.C.  
*S. testâ ovatâ, ventricosissimâ, sordidè fuscâ, versus apicem rosaceâ; anfractibus tribus, sub lente minutè striatis; aperturâ peramplâ, ovatâ; labro simplici, columellâ peristomateque continuatis.*  
*Long. 0.30. diam. 0.20. unc.*  
Habitat. Mount Henry, Mulgoa, N. S. W.—under stones in moist places. *Cox*.
6. SUCCINEA RHODOSTOMA. *mihi*. M.C.  
*S. testâ elongato-ovatâ, ventricosâ, solidiusculâ opacâ, nitente, albidâ, ad apicem roseo-tinctâ; anfractibus quatuor longitudinaliter rudè et irregulariter elevato-striatis; labro simplici, intus roseo-porphyraceo; aperturâ ovatâ.*  
*Long. 0.50. diam. 0.27. unc.*  
Habitat. Point Lowly, South Australia. *Cox*.

## GENUS PUPA.

1. PUPA PACIFICA. *Pfr.**Pfr. Pro. Zool. Soc.* 1846. p. 31.*Forbes, Voy. Rattlesnake.* Vol. II. p. 373.

Habitat. All along the N. E. Coast of Australia.  
*MacGillivray.* Moreton Bay. *King.*

2. PUPA STRANGEL. *Pfr.*

M.C.

*Pfr. Pro. Zool. Soc.* 1852. p. 69.

Habitat. Garden Island, Port Jackson. *Strange.*  
 Lyndhurst. *King.* Port Stephens. Darling Point,  
 Sydney. *MacGillivray.*

3. PUPA KINGI. *mihi.**Mus. Rev. R. L. King,*

P. testâ sinistrorsâ, profundè et breviter rimatâ,  
 ovato-oblongâ, tenui, laevigatâ, nitidâ, hyalinâ, ru-  
 bido-castaneâ; spirâ convexâ, apice obtusâ; an-  
 fractibus quatuor, convexiusculis, ultimo semilon-  
 gitudinem testæ vix æquante; aperturâ verticali,  
 irregulariter constrictâ et subbipartitâ; tridentatâ,  
 dente conspicuo acutiusculo in pariete aperturali,  
 altero minore latiore et obtuso in columellâ, tertio  
 minimoque in margine externo; peristomate incras-  
 sato et breviter expanso, ore rubido, dentibus albis.

*Long.* 0.05. *diam.* 0.03. *unc.*Habitat. Parramatta. *King.*4. PUPA RAMSAYI. *mihi.*

M.C.

P. testâ dextrorsâ, fusiformi-oblongâ, solidiusculâ,  
 nitidâ, albidâ, ad apicem fuscâ; spirâ obtusâ; an-  
 fractibus quinque convexiusculis, longitudinaliter  
 obsoletè tenuiter striatis, 5°, 4°, et 3° gradatim  
 decrescentibus; aperturâ obliquâ latè ovatâ anticè  
 ferè angulatâ, dentibus duobus parvis obtusis in  
 pariete aperturali, peristomate vix incrassato, bre-  
 viter expanso; ore dentibusque albis.

*Long.* 0.20. *diam.* 0.09. *unc.*Habitat. Point Lowly, South Australia. *Cox.*



5. PUPA NELSONI. *mihi.* M.C.

P. testâ sinistrorsâ, perforatâ, ovato-oblongâ, levigatâ, nitidiusculâ, flavicante, hyalinâ; spirâ convexo-turritâ, apice obtusâ; anfractibus sex, convexiusculis, ultimo ceteros subæquante; aperturâ verticali, magnâ, truncato-rotundâ, subbidentata, dente uno conspicuo in pariete aperturali, juxta dentem alterum obsoletum vel plicam; peristomate albo, incrassato et breviter expanso.

*Long.* 0.15. *alt.* 0.07. *unc.*

*Habitat.* Nelson's Bay. Sydney, N. S. W. *King.*

6. PUPA MASTERSI. *mihi.* M.C.

P. testâ sinistrorsâ, perforatâ, ovato-oblongâ, nitidiusculâ, rufo-corneâ, translucente; spirâ convexo-turritâ, obtusissimâ; anfractibus quinque, ultimo ceteros subæquante; aperturâ verticali, magnâ, truncato-rotundâ, quadridentatâ, dente primo prominente compresso plicæ simili in medio parietis aperturalis, secundo valido obtuso conico in margine interiore juxta angulum, tertio angusto in labio externo, quarto profundè in fauce, axi centrali; peristomate externè paulo sinuato, modicè incrassato, et breviter expanso.

*Long.* 0.03. *diam.* 0.08. *unc.*

*Habitat.* Wollongong. *Masters.*

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GENUS BALEA.

1. BALEA AUSTRALIS. *Forbes.*

*Forbes, Voy. Rattlesnake. Vol. II. p. 380. Pl. 2. fig. 9*

*Habitat.* Port Molle, North Australia. *MacGillivray.*

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GENUS DIPLOMMATINA.

1. DIPLOMMATINA BENSONI. *A. Adams.*

*A. Adams, Pro. Zool. Soc. 1852. p. 94.*

*Habitat.* Moreton Bay. *Strange.*

## GENUS TRUNCATELLA.

1. TRUNCATELLA TERES. *Pfr.**Pfr. Pro. Zool. Soc.* 1856. p. 336.Habitat. Trinity Bay, N. E. Australia. *MacGillivray*.  
Mauritius. *Cuming*.

## GENUS CYCLOSTOMA.

1. CYCLOSTOMA AUSTRALE. *Gray*.*Forbes, Voy. Rattlesnake.* Vol. II. p. 375.Habitat. New Holland? New Ireland. *Woodward*.2. CYCLOSTOMA BILABRE. *Menke*.*Forbes, Voy. Rattlesnake.* Vol. II. p. 375.Habitat. East Coast of New Holland. *Menke*.  
"Probably a West Indian Shell." *Woodward*.

## GENUS LEPTOPOMA.

1. LEPTOPOMA VITREUM. *Pfr.* M.C.*Lesson, Voy. de la Coquille.* 346. Pl. 13. fig. 6. as  
*Cyclostoma vitreum*.*Reeve, Conc. Icon.* Sp. 15.Habitat. All along the N. E. Coast of Australia.  
*MacGillivray*. Widely diffused between India and  
New Caledonia.

## GENUS CYCLOPHORUS.

1. CYCLOPHORUS LIRICINCTUS. *Pfr.**Benson, Mag. and Ann. Nat. Hist.* Vol. XI. p. 106. as  
*Cyclostoma liricinctum*.*Reeve, Conc. Icon.* Sp. 100.Habitat. Swan River, Western Australia. *Bacon*.



2. *CYCLOPHORUS ORBICULATUS*. *Pfr.*

*Benson, Mag. and Ann. Nat. Hist.* Vol. xi. p. 106. as  
*Cyclostoma orbiculatum*.

*Reeve, Conc. Icon.* Sp. 101.

Habitat. Swan River, Western Australia. *Bacon*.

## GENUS PUPINA.

1. *PUPINA BILINGUIS*. *Pfr.*

M.C.

*Pfr. Pro. Zool. Soc.* 1850. p. 97.

*Forbes, Voy. Rattlesnake*, Vol. ii. p. 375.

Habitat. Evans' Bay, Cape York. *MacGillivray*.  
Blackwood Bay. *Brit. Mus.*

2. *PUPINA THOMSONI*. *Forbes*.

M.C.

*Forbes, Voy. Rattlesnake*. Vol. ii. p. 381. Pl. 3. fig.  
2. a. b.

Habitat. Fitzroy Island, N. E. Coast of Australia.  
*MacGillivray*.

3. *PUPINA VENTROSA*. *Dohrn*.

M.C.

*Dohrn, Pro. Zool. Soc.* 1862. p. 183.

Habitat. Albany Island, Cape York. *MacGillivray*.

4. *PUPINA PFEIFFERI*. *Dohrn*.

M.C.

*Dohrn, Pro. Zool. Soc.* 1862. p. 183.

Habitat. Rocky Isle near Cape Flattery, N. E. Coast  
of Australia. *MacGillivray*.

5. *PUPINA CARLOTTÆ*. *MacGillivray*. *M. S.*

Habitat. Near Cape Direction, N. E. Coast of Australia.  
*MacGillivray*.

6. *PUPINA STRANGEL*. *Pfr.*

*Pfr. Pro. Zool. Soc.*

Habitat. N. E. Australia.

7. PUPINA WILCOXI. *mihi.* M.C.

*P. testâ* ovatâ, nitidissimâ, hyalinâ rubro lutescente leviusculâ; spirâ obtusâ; anfractibus sex, duobus ultimis equalibus et maximis, ceteris gradatim decrescentibus; aperturâ obliquâ, orbiculari, externè productâ; peristomate albo, vix incrassato non continuo, reflexo, canalibus duobus, interrupto, canali superiore ad partem superiorem vel angulum aperturæ, inferiore ceteram vix æquante et collumellam intersecante.

*Long.* 0.35. *diam.* 0.17. *unc.*

*Habitat.* Clarence River. *Wilcox.*

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GENUS PUPINELLA.

1. PUPINELLA MACGILLIVRAYI. *mihi.* M.C.

*P. testâ* imperforatâ, ovato-oblongâ, glabrâ, nitidâ pellucidâque; spirâ ventrosâ; anfractibus septem, convexiusculis, minutissimè transversim striatis, ultimo maximo, penultimo ceteros æquante; aperturâ subverticali, circulari, peristomate incrassato alboque, canalibus duobus angustis.

*Long.* 0.50. *diam.* 0.24. *unc.*

*Habitat.* Port Denison, Queensland. *Cox.*

2. PUPINELLA WHARTONI. *mihi.* M.C.

*P. testâ* umbilicatâ, acuminato-oblongâ, solidiusculâ, luteo-fulvâ aut corneo-fuscâ; anfractibus septem, modicè convexis, ultimo penultimo longiore, ceteris decrescentibus, tumidiusculis, sub lente transversim minutè striatis; suturâ indentatâ; aperturâ subverticali, circulari, peristomate albido, margine ubique expanso et subreflexo, non antice dilatato ut in *P. Borneensi*.

*Long.* 0.59. *diam.* 0.27. *unc.*

*Habitat.* Port Denison and Port Curtis, Queensland.  
*Cox.*



GENUS CALLIA.

1. CALLIA SPLENDENS. *Dohrn*. M.C.  
*Dohrn, Pro. Zool. Soc.* 1862. p. 183.

Habitat. Lizard Island, N. E. Coast of Australia.  
*MacGillivray*.

Having had an opportunity of examining several specimens of this species from the above locality, I may remark that, although Dohrn states the operculum to be normal, it appears to me to differ in form and mode of growth from the circular operculum assigned to the genus Callia; the mouth also contributes to furnish sufficient distinctive characters for a new genus.

GENUS HYDROCENA.

1. HYDROCENA MALLÉATA. *Pfr.*  
*Pfr. Pro. Zool. Soc.* 1854. p. 308.

Habitat. Australia.

GENUS HELICINA.

1. HELICINA DRAYTONENSIS. *Pfr.*  
*Pfr. Pro. Zool. Soc.* 1856. p. 392.

Habitat. Drayton Range, Queensland. *Stutchbury*.

2. HELICINA YORKENSIS. *Pfr.*  
*Pfr. Pro. Zool. Soc.* 1862. p. 277.

Habitat. Albany Island, Cape York. *MacGillivray*.

3. HELICINA RETICULATA. *Pfr.*  
*Pfr. Pro. Zool. Soc.* 1862. p. 277.

Habitat. Rocky Isle near Cape Flattery, N. E. Coast of Australia. *MacGillivray*.

4. *HELICINA GOULDIANA*. *Forbes*. M.C.  
*Forbes, Voy. Rattlesnake*. Vol. II. p. 382. Pl. 3. fig. 3.

Habitat. "Two Isles" near Cape Flattery, and Lizard Island, N. E. Coast of Australia. *MacGillivray*.

5. *HELICINA GLADSTONENSIS*. *mihi*. M.C.

H. testâ globoso-turbinatâ, carinatâ, vix infra callosâ, fuscescente, maculatâ; anfractibus quatuor; aperturâ semicirculari, peristomate reflexo, alboque; operculo corneo.

*Diam. maj.* 0.16. *min.* 0.12. *alt.* 0.10. *unc.*

Habitat. Gladstone, Port Curtis, Queensland. *Cox*.

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## ADDENDA ET CORRIGENDA.

### 117. *HELIX LEICHARDTI. mihi. Australian Museum.*

Hel. testâ latè et perspectivè umbilicatâ; depresso-globosâ, solidiusculâ; supernè confertim obliquè costulatâ, vix nitente, opacâ, epidermide rufo-virescente indutâ; spirâ convexâ; anfractibus  $4\frac{1}{2}$ , convexiusculis, gradatim incrementibus, tumidis, ultimo descendente, convexo, supra ad os modicè depresso, obsoletè angulato; aperturâ obliquâ, irregulariter truncato-ovali; peristomate simplici, tenui, marginibus conniventibus.

*Diam. maj. 1.40. min. 1.20. alt. 0.65. unc.*

*Habitat. Australia. Leichardt.*

The exact locality is unknown. Closely allied to *H. ptychomphala* and *H. Strangei*. with specimens and descriptions of which it has been compared.

### 1. *HELIX SATURNI. mihi. M.C.*

*Cox, Annals and Mag. Nat. Hist. 1864. as*

*H. costulata.* Hel. testâ latè et perspectivè umbilicatâ; discoideâ, supra subconçavâ, undique validè costatâ; rufescentè corneâ, nitidiusculâ: anfractibus quinque convexis, ultimo tumido rotundato; spirâ submersâ; suturâ profundè impressâ; aperturâ lunari; peristomate simplici rectoque.

*Diam. maj. 0.10. min. 0.08, alt. 0.05, unc.*

*Habitat. Darling Point, Sydney. MacGillivray. Craig-end, Sydney. Bell.*

### 118. *HELIX ALEXANDRÆ. mihi. M.C.*

Hel. testâ latè et profundè umbilicatâ, albidâ, vitreâ; anfractibus quatuor, tenuitè et irregularitèr costato-striatis, convexis, ultimo rotundato, antice sub-

deflexo; spirâ obtusâ, suturâ impressâ, aperturâ obliquâ, circulari, peristomate expanso reflexoque, ferè continuo, intus opaco, albo.

*Diam. maj.* 0.09. *min.* 0.07. *alt.* 0.05. *unc.*

*Habitat.* Petersham &c. near Sydney. *MacGillivray.*

119. *HELIX SCOTTI.* *mihi.* M.C.

Hel. testâ angustè umbilicatâ, turbinato-globosâ, radiatim rugoso-striatâ, undique minutè granulatâ, subpellucidâ, castaneâ, apice pallidâ; anfractibus sex, convexiusculis, ultimo tumido et rotundato; aperturâ lunato-subcirculari, peristomate modicè incrassato, recto, parum reflexo, intus albido.

*Diam. maj.* 1.50. *min.* 1.25. *alt.* 0.90. *unc.*

*Habitat.* Mount Keera, Wollongong, N. S. W. *Mrs. Edward Forde.*

24. *HELIX MACLEAYI.* *mihi.* M.C.

*Cox, Pro. Zool. Soc.* 1864.

Hel. testâ imperforatâ, depresso-globosâ, tenuiusculâ, opacâ, levi, obsoletissimè obliquè striatâ, fasciâ accrescentè porphyraceâ circumdatâ, ad os indistinctâ; spirâ conoideâ, obtusâ, anfractibus quinque, vix convexiusculis, ultimo rotundato, aperturâ lunato-ovatâ, peristomate recto, undique reflexo, intus atro-porphyraceo.

*Diam. maj.* 1.12. *min.* 1.00. *alt.* 0.80. *unc.*

*Habitat.* Port Denison. *Masters.*

32. *HELIX CEREÆ.* *mihi.* M.C.

*Helix Forbesi. Cox, Pro. Zool. Soc.* 1864.

Hel. testâ imperforatâ, globoso-conicâ, solidâ, cereo-flavidâ, levi, tenuiter radiatim striatâ, lineis rubro-castaneis cingulatâ; spirâ obtusâ; anfractibus septem, convexiusculis, ultimo ceteros majus quam æquante; aperturâ perobliquâ, ovato-lunari; peristomate modicè incrassato, expansoque, marginibus paulo conniventibus, ut laminâ vitreâ junctis, albo-



porcellano, margine columellari suprâ externè dilatato.

*Diam. maj.* 1.60. *min.* 1.30. *alt.* 1.15. *unc.*

*Habitat.* Port Denison. *Masters.* Port Molle. *Mac-Gillivray.* Allied to *Incei*, but a more conical and almost *Bulimoid* shell, paler in colour, porcellaneous, and more finely banded.

6. *HELIX SYDNEYENSIS. mihi.* M.C.

*Cox, Pro. Zool. Soc.* 1864.

*Hel.* testâ ampliter umbilicatâ, depressâ, nitidissimâ, pellucidâque, obsoletè et latè costulatim epidermide-striatâ, flavescente-corneâ supra, subtus pallidiore, fasciâ tenui spirali rubidâ marginem inferiorem suturæ attingentem: anfractibus sex, 1<sup>o</sup>, 2<sup>o</sup>, 3<sup>o</sup> planiusculis, 4<sup>o</sup> convexiusculo, ultimo depressiusculo; aperturâ modicè obliquâ, depressâ, lunari, peristomate simplici.

*Diam. maj.* 0.50. *min.* 0.45. *alt.* 0.25. *unc.*

*Habitat.* Widely diffused in the neighbourhood of Sydney, N. S. W. *Cox.*

Although this may be identical with *H. cellaria* of *Europe*, yet my specimens of the latter shew greater flatness of spire, of the shell generally, and especially of the last whorl; the umbilicus is not quite so wide, and the narrow reddish band on the upper border of each whorl so conspicuous in the *Sydney* specimens is not shown in the *European* ones. The shade of colour is also conspicuously different.

120. *HELIX MURPHYI. mihi.* M.C.

*Hel.* testâ apertè umbilicatâ, depressâ, rubido-corneâ paulo nitente, confertim obliquè elevato-costulatâ et sub lente decussatim striatulâ; anfractibus quinque, plano-convexiusculis, ultimo acutè carinato; spirâ obtusâ; aperturâ modicè obliquâ, triangulari-ovatâ, peristomate simplici acuto.

*Diam. maj.* 0.18. *min.* 0.16. *alt.* 0.09. *unc.*

*Habitat.* Wollongong (under stones). *Masters.*

121. *HELIX LIRATA*. *mihi*. M.C.

Hel. testâ latè et perspectivè umbilicatâ, plano-discoideâ, validè et regulariter, (non confertim) elevato-costatâ; castaneo-corneâ; anfractibus  $3\frac{1}{2}$ , ultimo rotundato, spirâ submersâ, suturâ profundè impressâ; aperturâ lunari; peristomate simplici.

*Diam. maj.* 0.12. *min.* 0.10. *alt.* 0.07. *unc.*

Habitat. Rushcutter's Bay, Sydney. *MacGillivray*.  
Closely allied to *H. Saturni*, but presenting very distinctive characters.

3. *SUCCINEA EUCALYPTI*. *mihi*. M.C.

*Cox, Pro. Zool. Soc.* 1864.

*S.* testâ ovatâ, tenui, ventrosâ, pellucido-corneâ, apice interdum rufescente; anfractibus tribus, longitudinaliter indistinctè striatis, et sub lente minutissimè granulatis, ultimo inflato; aperturâ ovatâ, peristomate recto, simplici, acuto, continuato.

*Long.* 0.13. *diam.* 0.10. *unc.*

Habitat. Throughout the county of Cumberland, New South Wales. *Cox*.

Since the above have been in type the following additions have been received from *Mr. Angas*.

122. *HELIX PERINFLATA*. *Pfr.*

*Pro. Zool. Soc. Dec.* 1863.

Habitat. MacDonnell Ranges, S. Australia. *Waterhouse*.

123. *HELIX LORIOLIANA*. *Crosse*.

*Pro. Zool. Soc. Dec.* 1863.

Habitat. Flinders Range, S. Australia. *Angas*.

124. *HELIX ANGASIANA*. *Pfr.*

*Pro. Zool. Soc. Dec.* 1863.

Habitat. Arrowie, near Lake Torrens, S. Australia. *Angas*.



125. *HELIX CASSANDRA.* *Pfr.*

*Pro. Zool. Soc. Dec. 1863.*

Habitat. Lower Murray River. *Angas.*

126. *HELIX LINCOLNIENSIS.* *Pfr.*

*Pro. Zool. Soc. Dec. 1863.*

Habitat. Port Lincoln, S. Australia. *Angas.*

127. *HELIX EVANDALEANA.* *Pfr.*

*Pro. Zool. Soc. Dec. 1863.*

Habitat. Evandale, S. Australia. *Angas.*

128. *HELIX RUSTICA.* *Pfr.*

*Pro. Zool. Soc. Dec. 1863.*

Habitat. Rapid Bay, S. Australia. *Angas.*

129. *HELIX PATRUELI.* *Ad. & Angas.*

*Pro. Zool. Soc. Dec. 1863.*

Habitat. Port Lincoln. *Angas.*

130. *HELIX FLINDERSI.* *Ad. & Angas.*

*Pro. Zool. Soc. Dec. 1863.*

Habitat. Tillowie, Flinders Range, S. Australia.  
*Angas.*

131. *HELIX CYRTOPLEURA.* *Pfr.*

*Pro. Zool. Soc. Dec. 1863.*

Habitat. Lake Torrens, S. Australia. *Angas.*

132. *HELIX MURRAYANA.* *Pfr.*

*Pro. Zool. Soc. Dec. 1863.*

Habitat. Murray River, S. Australia. *Angas.*

133. *HELIX SUBANGULATA.* *Ad. & Angas.*

*Pro. Zool. Soc. Dec. 1863.*

Habitat. S. Australia. *Angas.*

16. *BULIMUS ANGASIANUS.* *Pfr.*

*Pro. Zool. Soc. Dec. 1863.*

Habitat. Port Lincoln, S. Australia. *Angas.*

17. *BULIMUS ADELAIDÆ*. *Ad. & Angas.*  
*Pro. Zool. Soc. Dec. 1863.*

Habitat. S. Australia. *Angas.*

1. *VERTIGO AUSTRALIS*. *Ad. & Angas.*  
*Pro. Zool. Soc. Dec. 1863.*

Habitat. Rapid Bay, S. Australia. *Angas.*

7. *SUCCINEA STRIGATA*. *Pfr.*  
*Pro. Zool. Soc. Dec. 1863.*

Habitat. South Australia. *Angas.*

8. *SUCCINEA ARBOREA*. *Ad. & Angas.*  
*Pro. Zool. Soc. Dec. 1863.*

Habitat. Burnside, S. Australia. *Angas.*

1. *BLANFORDIA STRIATULA*. *Menke.*  
*Pro. Zool. Soc. Dec. 1863.*

Habitat. Adelaide, S. Australia. *Angas.*

Add to *HELIX RICHMONDIANA*, p. 11.

*Pfr. Pro. Zool. Soc. 1851. p. 252.*

PAGE 15. Sp. 73. for "*charactenstic*" read "*characteristic*",  
 „ 20. „ 108. „ "*rotundo*" read "*rotundâ*",  
 „ 20. „ 109. „ "*convexa*" read "*convexo*",  
 „ 21. „ 112. „ "*optusa*" read "*obtusâ*",  
 „ 7. „ 13. line 25 read "from Mr. MacGillivray  
 (collected by him on Night Island)".





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# TASMANIAN LAND SHELLS.

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1. *HELIX LAUNCESTONENSIS.* *Reeve.* M.C.  
*Reeve, Pro. Zool. Soc. 1852.*  
*Reeve, Conc. Icon. Sp. 968.*  
Habitat. Launceston. *Gunn.*
2. *HELIX BISULCATA.* *Pfr.*  
*Pfr. Pro. Zool. Soc. 1852.*  
*Reeve, Conc. Icon. Sp. 969.*  
Habitat. Van Dieman's Land. *Gunn.*
3. *HELIX LAMPRA.* *Pfr.*  
*Pfr. Pro. Zool. Soc. 1854.*  
*Reeve, Conc. Icon. Sp. 1295.*  
Habitat. Launceston. *Gunn.*
4. *HELIX SUBANGULATA.* *Pfr.*  
*Pfr. Pro. Zool. Soc. 1854.*  
*Reeve, Conc. Icon. Sp. 1301.*  
Habitat. Van Dieman's Land. *Gunn.*
5. *HELIX BOMBYCINA.* *Pfr.*  
*Pfr. Pro. Zool. Soc. 1854.*  
*Reeve, Conc. Icon. Sp. 1314.*  
Habitat. Van Dieman's Land. *Gunn.*

6. *HELIX SINCLAIRI*. *Pfr.**Pfr. Zeitschrift für Malac.* 1845. p. 134.*Reeve, Conc. Icon.* Sp. 1444.

Habitat. Van Dieman's Land. *Sinclair.* Sarah Island. *Milligan.*

7. *BULIMUS DUFRESNII*. *Leach.*

M.C.

*Leach, Zool. Misc.* Vol. II. p. 153. pl. 120.*Reeve, Conc. Icon.* Sp. 219.

Habitat. Van Dieman's Land. *Gunn.*

8. *VITRINA MILLIGANI*. *Pfr.**Pfr. Pro. Zool. Soc.* 1852. p. 56.*Reeve, Conc. Icon.* Sp. 18.

Habitat. Tasmania (at a small Island in Macquarie Harbour). *Milligan.*







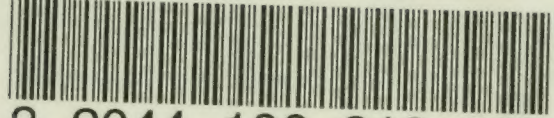












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